



Process: UV offset
Product: Labels

NEW

Special Offset Series for Labels

SICURA PLAST SP LABEL



Many label manufacturers have been waiting for this new UV offset series. It allows printers to execute a wide variety of applications with one and the same product line. In this series, Siegwerk combines the advantages of several predecessors thanks to the availability of new adhesion promoting compounds.

SICURA PLAST SP LABEL features **exceptional colour pigmentation**, outstanding printing qualities and has very good ink-water balance. These printing inks do not build up and feature good setting properties along with minimal dot gain. ◆

Process: UV flexographic printing & UV screen printing
Product: Rubbing labels

NEW

Novel Scratch System

Release varnish 36-6
Product numbers: 81-009669-3 & 81-470105-8
Scratch ink: series 78-3 modified

A good scratch system ensures that the coating can be easily rubbed from the base at any time. The release varnish must maintain its smooth, bonding-resistant surface even after extended storage. At the same time, the applied screen printing ink must be well absorbed by the base and remain adhered. Special additives in the screen printing ink ensure that the system wets out and flows well over the release varnish.

The new Siegwerk 2-component release varnish is a remarkable cationic based innovation, with a special **anti-aging com-**

ponent which prevents any deterioration of the printed varnish with time.

Used in combination with screen printing inks especially adapted for scratch-off purposes, the result is an **outstanding system for rubbing labels.**

Please contact your Siegwerk application technician for further information. ◆



Process: UV flexographic printing
Product: Labels

NEW

2-K Primer for Delicate Substrates

Primer varnish 39-9P
Product number: 85-601856-9

Low-migration varnishes and primers are usually very viscous. This can sometimes cause problems with the flow of the varnish, something the printer may not particularly like. Thanks to new state-of-the-art raw material technology, it is now possible to reduce the viscosity of the 2-K primer to an even lower level, enabling problem-free printing.

This primer **shows outstanding adhesive properties even on problematic substrates such as PET and PP.** It also features an **exceptionally low migration tendency and has a barely noticeable odour.**

Furthermore, it has been designed in such a way that it can be overprinted with the silicon-free series SICURA FLEX UV 39-9P SF without any problems.

As a suitable second component, the special hardening agent 71-470074-7 (formerly 411-90) is recommended.

Using code number 85-601854-4, this product can be ordered as a varnish for over-printing or for use in combination printing with the UV offset series SICURA LM 100. ◆

Process: UV screen printing
Product: Labels

Pinhole-Optimised Screen Printing White

Opaque White 78-6
Product number: 81-010161-8

This UV screen printing white is a welcome further development of the proven and popular as well as good selling opaque white SICURA SCREEN 78-3-110 (81-011503-0).

This optimised white features **even higher**

pigmentation with impressive hiding power. It has excellent adhesive properties and is free of silicone. In contrast to conventional silicone-free systems, it can be used for trouble-free printing and **avoids the creation of pinholes.** ◆



Left: white **with** pinholes, right: optimised white **without** pinholes

HealthSafetyEnvironment

Increased due diligence required for pharmaceutical labels

Containers made from porous plastics may allow ink substances to migrate into the filled product. Therefore, when printing pharmaceutical labels for these types of containers, it is essential to use only low-migration inks, the same ones which are also used for food packaging. It is the printer's responsibility to ensure that he uses inks and varnishes which meet these requirements.



Every label printer should know that his printing ink must possess the required end-use requirements when printing labels for solvent-containing or alkaline products. Otherwise a small splatter of the contents can render the label illegible.

Similar due diligence must be observed when printing labels for pharmaceutical products. If labels are to be attached onto glass containers or secondary packaging, there is no risk of

migration. However, this does not apply to phials or containers made of plastics.

The risk of undesirable migration is relatively high, especially in the case of eye drops and similarly small containers. Small phials often have very thin walls. There have been several incidents where pharmaceutical firms have detected increased concentrations of printing ink components within their products.

For this reason, before starting to print pharmaceutical labels, the printer must know what their intended use will be. If the label is attached to containers that have insufficient migration barriers, the printer absolutely must use low-migration UV inks and varnishes, as used in the food industry.

For this purpose Siegwerk recommends for UV flexographic printing: SICURA FLEX UV 39-9P SF for UV offset printing: SICURA LM100

New Siegwerk Product Numbering System

With the new **13-digit product number** (9 digits + 4 digits packaging code), each Siegwerk product is clearly identified. Products are ordered using the product number.

Each label will also be marked with the series designation and the product name for a better understanding of product composition and classification. This consists of a series code and a descriptive supplement (e.g. 39-6 Process Yellow Conc.).

Important: only the product number is used to identify the product.

For further information, please contact your Siegwerk application technician.

Troubleshooting Guide for Label Printing with UV Inks



This popular error correction instrument has been newly designed and updated. In the event of printing imperfections, it alerts the label printer to the possible causes and indicates how the problems can be repaired.

This guide is available in English, German, Spanish, French, Italian, Russian, Turkish and Chinese.

Order a copy in your language from your Siegwerk application technician. ◆